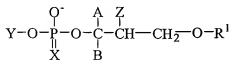


AMENDMENTS TO THE CLAIMS:

The listing of claims will replace all prior versions, and listings of claims in the application.

1. (Original) A compound having the formula:



wherein R' is selected from the group consisting of alkyl, alkenyl, alkynyl, saturated acyl, unsaturated acyl, alkoxy, alkenyloxy, alkynyloxy, aryl, aryloxy, heteroaryl, heteroaryloxy, aralkyl, aralkyloxy, A is selected from the group consisting of hydrogen, hydroxyl, and halogen, B is selected from the group consisting of hydrogen, hydroxyl, and halogen, Z is selected from the group consisting of hydrogen, hydroxyl, halogen, haloalkyl, haloalkyloxy, alkyl, alkenyl, alkynyl, saturated acyl, unsaturated acyl, alkoxy, alkenyloxy, and alkynyloxy, X is selected from the group consisting of oxygen and sulfur, Y is selected from the group consisting of hydrogen, halogen, saturated and unsaturated haloalkyl, saturated and unsaturated haloalkyloxy, alkyl, alkenyl, alkynyl, saturated acyl, unsaturated acyl, alkoxy, alkenyloxy, alkynyloxy, aryl, aryloxy, heteroaryl, heteroaryloxy, aralkyl, aralkyloxy, substituted aryloxy, and lower alicyclic-oxy groups which are optionally substituted with one or more hydroxy or lower alkoxy groups; or a mimetic, stereoisomer, enantiomer, or pharmaceutically acceptable salt thereof, and when X is oxygen and A and B are both hydrogen, then Y is not hydrogen.

2. (Original) The compound of claim 1, wherein Y is selected from the group consisting of halogen, saturated and unsaturated haloalkyl, saturated and unsaturated haloalkyloxy, where a halo group is selected from the group consisting of fluoro, chloro, bromo, and iodo; or a mimetic, stereoisomer, enantiomer, or pharmaceutically acceptable salt thereof.

3. (Original) The compound of claim 1, wherein Y is selected from the group consisting of saturated or unsaturated, straight or branched chain of alkoxy, acyl, aryl, heteroaryl, and alkyl, having six or more carbon atoms and optionally being substituted with one or more hydroxy or lower alkoxy groups; or a mimetic, stereoisomer, enantiomer, or pharmaceutically acceptable salt thereof.

4. (Original) The compound of claim 1, wherein Y is an alicyclic ring selected from the group consisting of one, di-, tri-, tetra-, penta-, hexahydroxyhexyloxy, and derivatives thereof.

5. (Original) The compound of claim 1, wherein X is sulfur.

6. (Original) The compound of claim 5, wherein the compound is selected from the group consisting of 1-alkyl-sn2-hydroxide-rac-glycero-3-phosphothionate, 1-alkenyl-sn2-hydroxide-rac-glycero-3-phosphothionate, 1-alkynyl-sn2-hydroxide-rac-glycero-3-phosphothionate, 1-acyl-sn2-hydroxide-rac-glycero-3-phosphothionate, 1-alkyl-sn2-O-methyl-rac-glycero-3-phosphothionate, 1-alkenyl-sn2-O-methyl-rac-glycero-3-phosphothionate, 1-alkynyl-sn2-O-methyl-rac-glycero-3-phosphothionate, and derivatives thereof.

7. (Original) The compound of claim 6, wherein the compound is selected from the group consisting of 1-lauryl-sn2-hydroxide-rac-glycero-3-phosphothionate, 1-myristyl-sn2-hydroxide-rac-glycero-3-phosphothionate, 1-palmityl-sn2-hydroxide-rac-glycero-3-phosphothionate, 1-stearyl-sn2-hydroxide-rac-glycero-3-phosphothionate, 1-oleyl-sn2-hydroxide-rac-glycero-3-phosphothionate, 1-linoleyl-sn2-hydroxide-rac-glycero-3-phosphothionate, 1-linolenyl-sn2-hydroxide-rac-glycero-3-phosphothionate, 1-oleosteryl-sn2-hydroxide-rac-glycero-3-phosphothionate, 1-lauryl-sn2-O-methyl-rac-glycero-3-phosphothionate, 1-myristyl-sn2-O-methyl-rac-glycero-3-phosphothionate, 1-palmityl-sn2-O-methyl-rac-glycero-3-phosphothionate, 1-stearyl-sn2-O-methyl-rac-glycero-3-phosphothionate, 1-oleyl-sn2-O-methyl-rac-glycero-3-phosphothionate, 1-linoleyl-sn2-O-methyl-rac-glycero-3-phosphothionate, 1-linolenyl-sn2-O-methyl-rac-glycero-3-phosphothionate, 1-oleosteryl-sn2-O-methyl-rac-glycero-3-phosphothionate, and derivatives thereof.

8. (Original) The compound of claim 5, wherein the compound is selected from the group consisting of 2-alkyl-sn-1-hydroxide-rac-glycero-3-phosphothionate, 2-alkenyl-sn-1-hydroxide-rac-glycero-3-phosphothionate, 2-alkynyl-sn-1-hydroxide-rac-glycero-3-phosphothionate, 2-acyl-sn-1-hydroxide-rac-glycero-3-phosphothionate, 2-alkyl-sn-1-O-methyl-rac-glycero-3-phosphothionate, 2-alkenyl-sn-1-O-methyl-rac-glycero-3-phosphothionate, 2-alkynyl-sn-1-O-methyl-rac-glycero-3-phosphothionate, 2-acyl-sn-1-O-methyl-rac-glycero-3-phosphothionate, and derivatives thereof.

9. (Original) The compound of claim 8, wherein the compound is selected from the group consisting of 2-lauryl-sn-1-hydroxide-rac-glycero-3-phosphothionate, 2-myristyl-sn-1-hydroxide-rac-glycero-3-phosphothionate, 2-palmityl-sn-1-hydroxide-rac-glycero-3-phosphothionate, 2-stearyl-sn-1-hydroxide-rac-glycero-3-phosphothionate, 2-oleyl-sn-1-hydroxide-rac-glycero-3-phosphothionate, 2-linoleyl-sn-1-hydroxide-rac-glycero-3-phosphothionate, 2-linolenyl-sn-1-hydroxide-rac-glycero-3-phosphothionate, 2-eleosteryl-sn-1-hydroxide-rac-glycero-3-phosphothionate, 2-lauryl-sn-1-O-methyl-rac-glycero-3-phosphothionate, 2-myristyl-sn-1-O-methyl-rac-glycero-3-phosphothionate, 2-palmityl-sn-1-O-methyl-rac-glycero-3-phosphothionate, 2-stearyl-sn-1-O-methyl-rac-glycero-3-phosphothionate, 2-oleyl-sn-1-O-methyl-rac-glycero-3-phosphothionate, 2-linoleyl-sn-1-O-methyl-rac-glycero-3-phosphothionate, 2-linolenyl-sn-1-O-methyl-rac-glycero-3-phosphothionate, 2-eleosteryl-sn-1-O-methyl-rac-glycero-3-phosphothionate, 2-lauroyl-sn-1-hydroxide-rac-glycero-3-phosphothionate, 2-myristoyl-sn-1-hydroxide-rac-glycero-3-phosphothionate, 2-palmitoyl-sn-1-hydroxide-rac-glycero-3-phosphothionate, 2-stearoyl-sn-1-hydroxide-rac-glycero-3-phosphothionate, 2-oleyl-sn-1-hydroxide-rac-glycero-3-phosphothionate, 2-linoleoyl-sn-1-hydroxide-rac-glycero-3-phosphothionate, 2-linolenoyl-sn-1-hydroxide-rac-glycero-3-phosphothionate, 2-eleosteryl-sn-1-hydroxide-rac-glycero-3-phosphothionate, 2-lauroyl-sn-1-O-methyl-rac-glycero-3-phosphothionate, 2-myristoyl-sn-1-O-methyl-rac-glycero-3-phosphothionate, 2-palmitoyl-sn-1-O-methyl-rac-glycero-3-phosphothionate, 2-stearoyl-sn-1-O-methyl-rac-glycero-3-phosphothionate, 2-oleoyl-sn-1-O-methyl-rac-glycero-3-phosphothionate, 2-linoleoyl-sn-1-O-methyl-rac-glycero-3-phosphothionate, 2-linolenoyl-sn-1-O-methyl-rac-glycero-3-phosphothionate, 2-eleosteryl-sn-1-O-methyl-rac-glycero-3-phosphothionate, and derivatives thereof.

10. (Original) The compound of claim 1, wherein Y is halogen selected from the group consisting of fluoro, chloro, bromo, and iodo.

11. (Original) The compound of claim 10, wherein the compound is selected from the group consisting of 1-alkyl-sn2-hydroxide-rac-glycero-3-halophosphate, 1-alkenyl-sn2-hydroxide-rac-glycero-3-halophosphate, 1-alkynyl-sn2-hydroxide-rac-glycero-3-halophosphate, 1-acyl-sn2-hydroxide-rac-glycero-3-halophosphate, 1-alkyl-sn2-O-methyl-rac-glycero-3-halophosphate, 1-alkenyl-sn2-O-methyl-rac-glycero-3-halophosphate, 1-alkynyl-sn2-O-methyl-rac-glycero-3-halophosphate, 1-acyl-sn2-O-methyl-rac-glycero-3-halophosphate, 1-alkyl-sn2-hydroxide-rac-glycero-3-halophosphothionate, 1-alkenyl-sn2-hydroxide-rac-glycero-3-halophosphothionate, 1-alkynyl-sn2-hydroxide-rac-glycero-3-halophosphothionate, 1-acyl-sn2-hydroxide-rac-glycero-3-halophosphothionate, 1-alkyl-sn2-O-methyl-rac-glycero-3-halophosphothionate, 1-alkenyl-sn2-O-methyl-rac-glycero-3-halophosphothionate, 1-alkynyl-sn2-O-methyl-rac-glycero-3-halophosphothionate, 1-acyl-sn2-O-methyl-rac-glycero-3-halophosphothionate, and derivatives thereof.

12. (Original) The compound of claim 11, wherein the compound is selected from the group consisting of 1-alkyl-sn2-hydroxide-rac-glycero-3-fluorophosphate, 1-alkenyl-sn2-hydroxide-rac-glycero-3-fluorophosphate, 1-alkynyl-sn2-hydroxide-rac-glycero-3-fluorophosphate, 1-acyl-sn2-hydroxide-rac-glycero-3-fluorophosphate, 1-alkyl-sn2-O-methyl-rac-glycero-3-fluorophosphate, 1-alkenyl-sn2-O-methyl-rac-glycero-3-fluorophosphate, 1-alkynyl-sn2-O-methyl-rac-glycero-3-fluorophosphate, 1-acyl-sn2-O-methyl-rac-glycero-3-fluorophosphate, 1-alkyl-sn2-hydroxide-rac-glycero-3-bromophosphate, 1-alkenyl-sn2-hydroxide-rac-glycero-3-bromophosphate, 1-alkynyl-sn2-hydroxide-rac-glycero-3-bromophosphate, 1-acyl-sn2-hydroxide-rac-glycero-3-bromophosphate, 1-alkyl-sn2-O-methyl-rac-glycero-3-bromophosphate, 1-alkenyl-sn2-O-methyl-rac-glycero-3-bromophosphate, 1-alkynyl-sn2-O-methyl-rac-glycero-3-bromophosphate, 1-acyl-sn2-O-methyl-rac-glycero-3-bromophosphate, and derivatives thereof.

13. (Original) The compound of claim 11, wherein the compound is selected from the group consisting of 1-lauryl-sn2-hydroxide-rac-glycero-3-fluorophosphate, 1-myristyl-sn2-hydroxide-rac-glycero-3-fluorophosphate, 1-palmityl-sn2-hydroxide-rac-glycero-3-fluorophosphate, 1-stearyl-sn2-hydroxide-rac-glycero-3-fluorophosphate, 1-oleyl-sn2-hydroxide-rac-glycero-3-fluorophosphate, 1-linoleyl-sn2-hydroxide-rac-glycero-3-fluorophosphate, 1-linolenyl-sn2-hydroxide-rac-glycero-3-fluorophosphate, 1-eleosteryl-sn2-hydroxide-rac-glycero-3-fluorophosphate, 1-1auryl-sn2-O-methyl-rac-glycero-3-fluorophosphate, 1-myristyl-sn2-O-methyl-rac-glycero-3-fluorophosphate, 1-palmityl-sn2-O-methyl-rac-glycero-3-fluorophosphate, 1-stearyl-sn2-O-methyl-rac-glycero-3-fluorophosphate, 1-oleyl-sn2-O-methyl-rac-glycero-3-fluorophosphate, 1-linoleyl-sn2-O-methyl-rac-glycero-3-fluorophosphate, 1-linolenyl-sn2-O-methyl-racglycero-3-fluorophosphate, 1-eleosteryl-sn2-O-methyl-rac-glycero-3-fluorophosphate, 1-myristoyl-sn2-hydroxide-rac-glycero-3-fluorophosphate, 1-palmitoyl-sn2-hydroxide-rac-glycero-3-fluorophosphate, 1-stearoyl-sn2-hydroxide-rac-glycero-3-fluorophosphate, 1-oleoyl-sn2-hydroxide-rac-glycero-3-fluorophosphate, 1-linoleoyl-sn2-hydroxide-rac-glycero-3-fluorophosphate, 1-linolenoyl-sn2-hydroxide-rac-glycero-3-fluorophosphate, 1-eleosteroyl-sn2-hydroxide-rac-glycero-3-fluorophosphate, 1-1auroyl-sn2-O-methyl-rac-glycero-3-fluorophosphate, 1-myristoyl-sn2-O-methyl-rac-glycero-3-fluorophosphate, 1-palmitoyl-sn2-O-methyl-rac-glycero-3-fluorophosphate, 1-stearoyl-sn2-O-methyl-rac-glycero-3-fluorophosphate, 1-oleoyl-sn2-O-methyl-rac-glycero-3-fluorophosphate, 1-linoleoyl-sn2-O-methyl-racglycero-3-fluorophosphate, 1-linolenoyl-sn2-O-methyl-rac-glycero-3-fluorophosphate, 1-eleosteroyl-sn2-O-methyl-rac-glycero-3-fluorophosphate, and derivatives thereof.

14. (Original) The compound of claim 11, wherein the compound is selected from the group consisting of 1-lauryl-sn2-hydroxide-rac-glycero-3-bromophosphate, 1-myristyl-sn2-hydroxide-rac-glycero-3-bromophosphate, 1-palmityl-sn2-hydroxide-rac-glycero-3-bromophosphate, 1-stearyl-sn2-hydroxide-rac-glycero-3-bromophosphate, 1-oleyl-sn2-hydroxide-rac-glycero-3-bromophosphate, 1-linoleyl-sn2-hydroxide-rac-glycero-3-bromophosphate, 1-linolenyl-sn2-hydroxide-rac-glycero-3-bromophosphate, 1-eleosteryl-sn2-hydroxide-rac-glycero-3-bromophosphate, 1-lauryl-sn2-O-methyl-racglycero-3-bromophosphate, 1-myristyl-sn2-O-methyl-rac-glycero-3-bromophosphate,

1-palmitoyl-sn2-O-methyl-rac-glycero-3-bromophosphate, 1-stearoyl-sn2-O-methyl-rac-glycero-3-bromophosphate, 1-oleoyl-sn2-O-methyl-rac-glycero-3-bromophosphate, 1-linoleoyl-sn2-O-methyl-rac-glycero-3-bromophosphate, 1-linolenoyl-sn2-O-methyl-rac-glycero-3-bromophosphate, 1-11-eleosteryl-sn2-O-methyl-rac-glycero-3-bromophosphate, 1-lauroyl-sn2-hydroxide-rac-glycero-3-bromophosphate, 1-myristoyl-sn2-hydroxide-rac-glycero-3-bromophosphate, 1-palmitoyl-sn2-hydroxide-rac-glycero-3-bromophosphate, 1-stearoyl-sn2-hydroxide-rac-glycero-3-bromophosphate, 1-oleoyl-sn2-hydroxide-rac-glycero-3-bromophosphate, 1-linoleoyl-sn2-hydroxide-rac-glycero-3-bromophosphate, 1-linolenoyl-sn2-hydroxide-rac-glycero-3-bromophosphate, 1-11-eleosteryl-sn2-hydroxide-rac-glycero-3-bromophosphate, 1-lauroyl-sn2-O-methyl-rac-glycero-3-bromophosphate, 1-myristoyl-sn2-O-methyl-rac-glycero-3-bromophosphate, 1-palmitoyl-sn2-O-methyl-rac-glycero-3-bromophosphate, 1-stearoyl-sn2-O-methyl-rac-glycero-3-bromophosphate, 1-oleoyl-sn2-O-methyl-rac-glycero-3-bromophosphate, 1-linoleoyl-sn2-O-methyl-rac-glycero-3-bromophosphate, 1-linolenoyl-sn2-O-methyl-rac-glycero-3-bromophosphate, 1-11-eleosteryl-sn2-O-methyl-rac-glycero-3-bromophosphate, and derivatives thereof.

15. (Original) The compound of claim 1, wherein R' is selected from the group consisting of saturated or unsaturated, substituted or unsubstituted, straight or branched chain of alkyl, alkenyl, alkynyl, and acyl, having six or more carbon atoms; or a mimetic, stereoisomer, enantiomer, or pharmaceutically acceptable salt thereof.

16. (Original) The compound of claim 15, wherein R' comprises an alkyl or acyl having nine or more carbon atoms selected from the group consisting of saturated carbon-carbon bonds, one unsaturated carbon bond, two or more unsaturated carbon bonds, and derivatives thereof.

17. (Original) The compound of claim 1, wherein Z is selected from the group consisting of hydroxyl, halogen, haloalkyl, haloalkyloxy, alkoxy, alkenyloxy, and alkynyloxy.

18. (Original) The compound of claim 17, wherein Z is selected from the group consisting of hydroxyl and methoxyl.

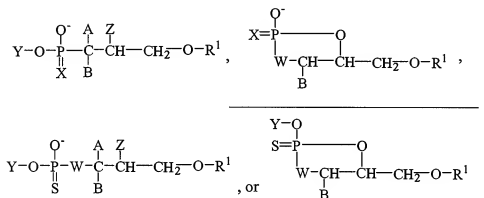
19. (Original) The compound of claim 18, wherein X is sulfur.
20. (Original) The compound of claim 19, wherein Y is an alicyclic ring selected from the group consisting of one, di-, tri-, tetra-, penta-, hexahydroxyhexyloxy, and derivatives thereof.
21. (Original) The compound of claim 1, wherein R' is selected from the group consisting of alkyl, alkenyl, alkynyl and acyl, Z is a hydroxyl group, and Y is selected from the group consisting of halogen, saturated and unsaturated haloalkyl, saturated and unsaturated haloalkyloxy, alkoxy, alkenyloxy, alkynyloxy, aryl, aryloxy, which are optionally substituted with one or more hydroxy or lower alkoxy groups, and derivatives thereof.
22. (Original) The compound of claim 1, wherein R' is selected from the group consisting of alkyl, alkenyl, alkynyl and acyl, Z is a methoxyl group, and Y is selected from the group consisting of halogen, saturated and unsaturated haloalkyl, saturated and unsaturated haloalkyloxy, alkoxy, alkenyloxy, alkynyloxy, aryl, heteroaryl, aryloxy, and lower alicyclic-oxy groups which are optionally substituted with one or more hydroxy or lower alkoxy groups; or a mimetic, stereoisomer, enantiomer, or pharmaceutically acceptable salt thereof.
23. (Original) The compound of claim 22, wherein Y is an alicyclic ring selected from the group consisting of one, di-, tri-, tetra-, penta-, hexahydroxyhexyloxy, and derivatives thereof.
24. (Original) The compound of claim 1, wherein A and B are each independently selected from the group consisting of hydrogen, hydroxyl, and halogen, and the compound comprises a halogen group selected from the group consisting of fluoro, chloro, bromo, and iodo.
25. (Original) The compound of claim 24, wherein the compound is selected from the group consisting of 1-alkyl-sn2-hydroxide-sn3-halo-rac-glycero-3-phosphate, 1-alkenyl-sn2-hydroxide-sn3-halo-rac-glycero-3-phosphate, 1-alkynyl-sn2-hydroxide-sn3-

halo-rac-glycero-3-phosphate, 1-acyl-sn2-hydroxide-sn3-halo-rac-glycero-3-phosphate, 1-alkyl-sn2-O-methyl-sn3-halo-rac-glycero-3-phosphate, 1-alkenyl-sn2-O-methyl-sn3-halo-rac-glycero-3-phosphate, 1-alkynyl-sn2-O-methyl-sn3-halo-rac-glycero-3-phosphate, 1-acyl-sn2-O-methyl-sn3-halo-rac-glycero-3-phosphate, 1-alkyl-sn2-hydroxide-sn3-halo-rac-glycero-3-phosphothionate, 1-alkenyl-sn2-hydroxide-sn3-halo-rac-glycero-3-phosphothionate, 1-alkynyl-sn2-hydroxide-sn3-halo-rac-glycero-3-phosphothionate, 1-acyl-sn2-hydroxide-sn3-halo-rac-glycero-3-phosphothionate, 1-alkyl-sn2-O-methyl-sn3-halo-rac-glycero-3-phosphothionate, 1-alkenyl-sn2-O-methyl-sn3-halo-rac-glycero-3-phosphothionate, 1-alkynyl-sn2-O-methyl-sn3-halo-rac-glycero-3-phosphothionate, 1-acyl-sn2-O-methyl-sn3-halo-rac-glycero-3-phosphothionate, 1-alkyl-sn2-hydroxide-sn3-halo-rac-glycero-3-phosphonate, 1-alkenyl-sn2-hydroxide-sn3-halo-rac-glycero-3-phosphonate, 1-alkynyl-sn2-hydroxide-sn3-halo-rac-glycero-3-phosphonate, 1-acyl-sn2-hydroxide-sn3-halo-rac-glycero-3-phosphonate, 1-alkyl-sn2-O-methyl-sn3-halo-rac-glycero-3-phosphonate, 1-alkenyl-sn2-O-methyl-sn3-halo-rac-glycero-3-phosphonate, 1-alkynyl-sn2-O-methyl-sn3-halo-rac-glycero-3-phosphonate, 1-acyl-sn2-O-methyl-sn3-halo-rac-glycero-3-phosphonate and derivatives thereof.

26. (Original) The compound of claim 24, wherein the compound is selected from the group consisting of 1-alkyl-sn2-hydroxide-sn3-dihalo-rac-glycero-3-phosphate, 1-alkenyl-sn2-hydroxide-sn3-dihalo-rac-glycero-3-phosphate, 1-alkynyl-sn2-hydroxide-sn3-dihalo-rac-glycero-3-phosphate, 1-acyl-sn2-hydroxide-sn3-dihalo-rac-glycero-3-phosphate, 1-alkyl-sn2-O-methyl-sn3-dihalo-rac-glycero-3-phosphate, 1-alkenyl-sn2-O-methyl-sn3-dihalo-rac-glycero-3-phosphate, 1-alkynyl-sn2-O-methyl-sn3-dihalo-rac-glycero-3-phosphate, 1-acyl-sn2-O-methyl-sn3-dihalo-rac-glycero-3-phosphate, 1-alkyl-sn2-hydroxide-sn3-dihalo-rac-glycero-3-phosphothionate, 1-alkenyl-sn2-hydroxide-sn3-dihalo-rac-glycero-3-phosphothionate, 1-alkynyl-sn2-hydroxide-sn3-dihalo-rac-glycero-3-phosphothionate, 1-acyl-sn2-hydroxide-sn3-dihalo-rac-glycero-3-phosphothionate, 1-alkyl-sn2-O-methyl-sn3-dihalo-rac-glycero-3-phosphothionate, 1-alkenyl-sn2-O-methyl-sn3-dihalo-rac-glycero-3-phosphothionate, 1-alkynyl-sn2-O-methyl-sn3-dihalo-rac-glycero-3-phosphothionate, 1-acyl-sn2-O-methyl-sn3-dihalo-rac-glycero-3-phosphonate, 1-alkyl-sn2-O-methyl-sn3-dihalo-rac-glycero-3-phosphonate, 1-alkenyl-sn2-O-methyl-sn3-dihalo-rac-glycero-3-phosphonate, 1-alkynyl-sn2-O-methyl-sn3-dihalo-rac-glycero-3-phosphonate, 1-acyl-sn2-O-methyl-sn3-dihalo-rac-glycero-3-phosphonate and derivatives thereof.

phosphothionate, 1-alkyl-sn2-hydroxide-sn3-dihalo-rac-glycero-3-phosphonate, 1-alkenyl-sn2-hydroxide-sn3-dihalo-rac-glycero-3-phosphonate, 1-alkynyl-sn2-hydroxide-sn3-dihalo-rac-glycero-3-phosphonate, 1-acyl-sn2-hydroxide-sn3-dihalo-rac-glycero-3-phosphonate, 1-alkyl-sn2-O-methyl-sn3-dihalo-rac-glycero-3-phosphonate, 1-alkenyl-sn2-O-methyl-sn3-dihalo-rac-glycero-3-phosphonate, 1-alkynyl-sn2-O-methyl-sn3-dihalo-rac-glycero-3-phosphonate, 1-acyl-sn2-O-methyl-sn3-dihalo-rac-glycero-3-phosphonate and derivatives thereof.

27. (Currently amended) A compound having the formula:

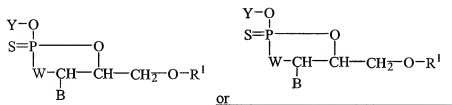


wherein R' is selected from the group consisting of alkyl, alkenyl, alkynyl, saturated acyl, unsaturated acyl, alkoxy, alkenyloxy, alkynyloxy, aryl, aryloxy, heteroaryl, heteroaryloxy, aralkyl, aralkyloxy, A is selected from the group consisting of hydrogen, hydroxyl, and halogen, B is selected from the group consisting of hydrogen, hydroxyl, and halogen, Z is selected from the group consisting of hydrogen, hydroxyl, halogen, haloalkyl, haloalkyloxy, alkyl, alkenyl, alkynyl, saturated acyl, unsaturated acyl, alkoxy, alkenyloxy, and alkynyloxy, W is oxygen or a bond, X is selected from the group consisting of oxygen and sulfur, Y is selected from the group consisting of hydrogen, halogen, saturated and unsaturated haloalkyl, saturated and unsaturated haloalkyloxy, alkyl, alkenyl, alkynyl, saturated acyl, unsaturated acyl, alkoxy, alkenyloxy, alkynyloxy, aryl, aryloxy, heteroaryl, heteroaryloxy, aralkyl, aralkyloxy, substituted aryloxy, and lower alicyclic-oxy groups which are optionally substituted with one or more hydroxy or

lower alkoxy groups; or a mimetic, stereoisomer, enantiomer, or pharmaceutically acceptable salt thereof.

28. - 87. (Canceled)

88. (Currently amended) A compound having the formula:



wherein R' is selected from the group consisting of alkyl, alkenyl, alkynyl, saturated acyl, unsaturated acyl, alkoxy, alkenyloxy, alkynyloxy, aryl, aryloxy, heteroaryl, heteroaryloxy, aralkyl, aralkyloxy, A is selected from the group consisting of hydrogen, hydroxyl, and halogen, B is selected from the group consisting of hydrogen, hydroxyl, and halogen, W is oxygen or a bond, Z is selected from the group consisting of halogen, haloalkyl, haloalkyloxy, alkyl, alkenyl, alkynyl, saturated acyl, unsaturated acyl, alkoxy, alkenyloxy, and alkynyloxy, Y is selected from the group consisting of cyano alkyl, cyano alkenyl, cyano alkynyl, cyano acyl, cyano alkoxy, cyano alkenyloxy, cyano alkynyloxy, cyano aryl, cyano aryloxy, cyano heteroaryl, cyano heteroaryloxy, cyano aralkyl, cyano aralkyloxy, and lower cyano alicyclic-oxy optionally substituted with one or more hydroxy or lower alkoxy groups; or a mimetic, stereoisomer, enantiomer, or pharmaceutically acceptable salt thereof.

89. - 94. (Canceled)